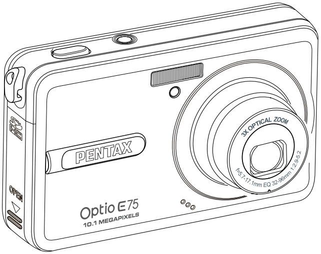
PENTAX

EN

Digital Camera

# Optio E75

## Operating Manual




To ensure the best performance from your camera, please read the Operating Manual before using the camera.

# Table of Contents

English

English

# Preface

## About this Manual

Thank you for purchasing this PENTAX Digital Camera. Please read this manual before using the camera in order to get the most out of all the features and functions. Keep this manual safe, as it can be a valuable tool in helping you to understand all the camera capabilities.

### Regarding Copyrights

Images taken using the PENTAX Digital Camera that are for anything other than personal enjoyment cannot be used without permission according to the rights as specified in the Copyright Act. Please take care, as there are cases where limitations are placed on taking pictures even for personal enjoyment during demonstrations, performances or of items on display. Images taken with the purpose of obtaining copyrights also cannot be used outside the scope of use of the copyright as laid out in the Copyright Act, and care should be taken here also.

### Trademark Recognition

- PENTAX and Optio are trademarks of HOYA CORPORATION.
- SDHC logo ( ) is trademark.
- Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States and other countries.
- Windows Vista is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.
- Adobe, the Adobe logo, and Reader are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.
- ArcSoft is the trademark of ArcSoft Inc.
- All other brands or product names are trademarks or registered trademarks of their respective companies.

English

# To users of this camera

- There is a possibility that recorded data may be erased or that the camera may not function correctly when used in surroundings such as installations generating strong electromagnetic radiation or magnetic fields.
- The liquid crystal panel used in the display is manufactured using extremely high precision technology. Although the level of functioning pixels is 99.99% or better, you should be aware that 0.01% or fewer of the pixels may not illuminate or may illuminate when they should not. However, this has no effect on the recorded image.
- There is a possibility that the illustrations and the display screen in this manual are different from the actual product.
- Do not use or store this device in the vicinity of equipment that generates strong electromagnetic radiation or magnetic fields.
- Strong static charges or the magnetic fields produced by equipment such as radio transmitters could interfere with the monitor, damage the stored data, or affect the product's internal circuitry and cause camera misoperation.

## Regarding Product Registration

In order to better serve you, we request that you complete the product registration, which can be found on the CD-ROM (S-SW95) supplied with the camera or on the PENTAX website. Thank you for your cooperation.

# USING YOUR CAMERA SAFELY

We have paid close attention to the safety of this product. When using this product, we request your special attention regarding items marked with the following symbols.

⚠ Warning — This symbol indicates that violating this item could cause serious personal injuries.

⚠ Caution — This symbol indicates that violating this item could cause minor or medium personal injuries, or material losses.

**About this Manual**

# About the Camera

## ⚠ Warning

- Do not attempt to take the camera apart or remodel the camera. High voltages are present within the camera, and there is therefore a danger of electric shocks if the camera is taken apart.
- If the inside of the camera should become exposed as a result of, for example, the camera being dropped, please do not under any circumstances touch such exposed portions, as there is a danger of receiving an electric shock.
- To avoid the risk of it being swallowed by mistake, keep the memory card out of the reach of small children. Seek medical attention immediately if a card is accidentally swallowed.
- Wrapping the strap of the camera around your neck is also dangerous. Please take care that small children do not hang the strap around their necks.
- Use an AC adapter that is of the power and voltage specified for exclusive use with this product. The use of an AC adapter other than that specified exclusively for use with this product may cause fire or electric shocks.
- If the camera emits smoke or a strange smell, or in the event of any other irregularity, stop using the camera immediately, remove the battery or unplug the AC adapter, and contact your nearest PENTAX Service Center. Continued use of the camera may result in fire or electric shock.
- During thunderstorms, unplug and discontinue use of the AC adapter. Continued use could cause equipment failure, a fire, or electric shock.

## ⚠ Caution

- Never try to disassemble or short the battery. Also, do not dispose of the battery in a fire, as they may explode.
- Do not charge any battery other than rechargeable lithium-ion battery D-LI95. The battery could explode or catch fire.
- Do not place your finger on the flash when it is discharging as there is a risk of burns.
- Do not discharge the flash while it is touching your clothing as there is a risk of discoloring of the clothing.
- If any leakage from the battery should come in contact with your eyes, do not rub them. Flush your eyes with clean water and get medical attention immediately.
- If any leakage from the battery should come in contact with skin or clothes, wash the affected areas thoroughly with water.

- Precautions for D-LI95 Battery Usage:
  - BATTERY MAY EXPLODE OR FIRE IF MISTREATED.
  - DO NOT DISASSEMBLE OR DISPOSE OF IN FIRE.
  - DO NOT CHARGE EXCEPT SPECIFIED CHARGING CONDITION.
  - DO NOT HEAT ABOVE 140 °F/60 °C, OR SHORT CIRCUIT.
  - DO NOT CRUSH OR MODIFY.
- Remove the battery from the camera immediately if it becomes hot or begins to smoke. Be careful not to burn yourself during removal.
- Some portions of the camera heat up during use, so please take care, as there is a risk of low temperature burns if such portions are held for long periods of time.
- Should the liquid crystal display be damaged, be careful of glass fragments. Also, be careful not to allow the liquid crystal to get on your skin or in your eyes or in your mouth.
- Depending on your inherent factors or physical condition, the use of the camera may cause itching, rashes or blisters. In case of any abnormality, stop using the camera and get medical attention immediately.

## About the AC Adapter

### ⚠ Caution

- Do not place heavy objects on the AC plug cord, allow heavy objects to drop onto it or allow the AC plug cord to become damaged due to excessive bending. If the AC plug cord becomes damaged, consult a PENTAX Service Center.
- Do not short or touch the output terminals of the product while it is still plugged in.
- Do not plug in the AC plug cord with wet hands. This can cause an electrical shock.
- Do not subject the product to strong impacts or allow it to drop onto a hard surface. This can cause a malfunction.

## Care to be Taken During Handling

- Take the Worldwide Service Network listing that is included in the package with you when traveling. This will be useful if you experience problems abroad.
- When the camera has not been used for a long time, confirm that it is still working properly, particularly prior to taking important pictures (such as at a wedding or during traveling). Contents of the recording cannot be guaranteed if recording, playback or transferring your data to a computer, etc. is not possible due to a malfunction of your camera or recording media (memory card), etc.

**About this Manual**

English

- The lens on this camera is not interchangeable. The lens is not removable.
- Do not clean the product with organic solvents such as thinner, alcohol or benzene.
- Places of high temperature and humidity should be avoided. Particular care should be taken regarding vehicles, which can become very hot inside.
- Storing the camera where pesticides and chemicals are handled should be avoided. Remove from case and store in a well-ventilated place to prevent the camera from becoming moldy during storage.
- As this camera is not waterproof, do not use the camera where it may come in contact with rain, water or any other liquid.
- Ensure that the camera is not subjected to substantial vibrations, shocks or pressure as this may cause damage or malfunction. Place the camera on a cushion for protection when the camera is subjected to the vibrations of a motorbike, car, ship, etc. If the camera is subjected to substantial vibrations, shocks or pressure, take your camera to your nearest PENTAX Service Center and have it checked.
- The temperature range in which the camera can be used is 0°C to 40°C (32°F to 104°F).
- The liquid crystal display will become black at a high temperature but will return to normal when normal temperatures are returned to.
- The response speed of the liquid crystal display becomes slow at low temperatures. This is due to the properties of the liquid crystal and is not a fault.
- Periodic checks are recommended every 1 to 2 years in order to maintain high performance.
- If the camera is subjected to rapid temperature changes, condensation may form on the inside and outside of the camera. Therefore put the camera in a bag or plastic bag, and take the camera out when the difference in temperature has subsided.
- Be careful not to allow dirt, mud, sand, dust, water, toxic gases or salt to enter the camera as this may damage the camera. Wipe away any raindrops or water droplets and allow the camera to dry.
- Please note that formatting a memory card or internal flash memory will delete all data; however it may still be possible to recover that data using off-the-shelf data recovery software. Please manage your camera memory at your own risk.
- Please do not press forcefully on the display. This could cause breakage or malfunction.
- Be careful not to sit down with the camera in your back pocket as this may damage the exterior of the camera or the display.
- When using a tripod with the camera, be careful not to over tighten the screw in the tripod socket on the camera.

**About this Manual**

English

# Introduction

Congratulations on the purchase of your new digital camera. This manual provides step-by-step instructions on how to use your camera, and is intended for your reference only.

## System Requirements

In order to get the most out of your camera, your computer must meet the following system requirements:

- OS: Windows 2000/XP/Vista
- Memory: 128MB or above
- HDD space: 40 MB or above
- USB port

## Package Contents

Check the contents of your camera package. It should contain:

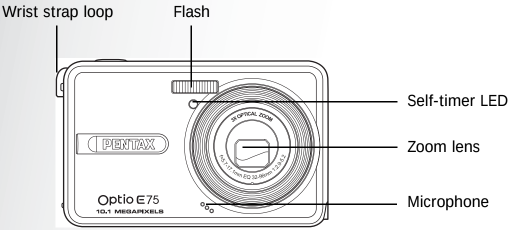
- Camera Optio E75
- USB/AV cable I-UAV86
- Strap O-ST86
- Rechargeable Li-ion battery D-LI95
- AC adapter D-AC85
- Quick start guide
- Application Software and Operating Manual (CD-ROM) S-SW95

## Main Features

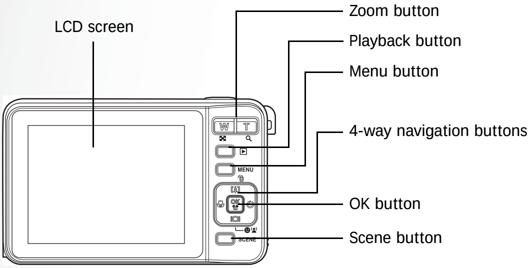
- 10.1 mega pixels resolution
- 15x zoom (Up to 3x optical zoom and 5x digital zoom)
- 1/2.33 inch CCD image sensor
- 2.7 inch TFT LCD monitor
- 10MB internal flash memory, support SD/SDHC memory card from 32MB to 16GB.
- Sleek and slim design
- Easy-to-use button interface
- Slideshow feature to review your pictures and movies
- AV output to view your pictures and movies on your TV
- USB port to transfer photos and movies to your PC

# Camera Views

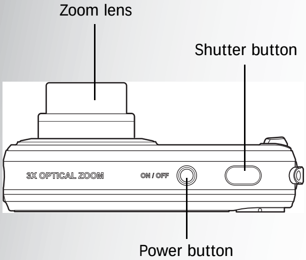
## Front View

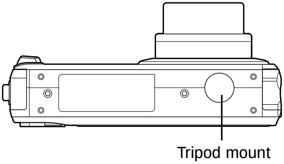



## Back View

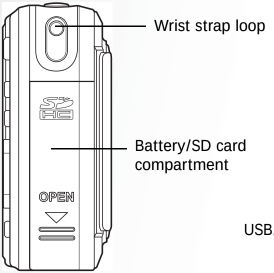


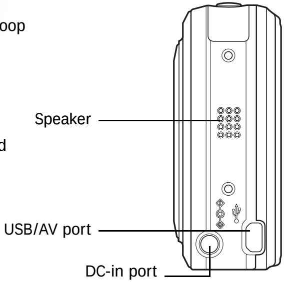
## Top View / Bottom View




## Left / Right View




**Camera Views**

# LED Indicators

| LED | LED Status | Camera Status |
|---|---|---|
| Power/Flash LED | Off | Power Off. |
| | Blue (steady) | Ready to take picture. |
| | Blue (blinking) | Camera busy |
| Self-timer LED | Off | Self-timer off. |
| | Red (blinking) (10 sec) | Timer count down, flash after 10 seconds. |
| | Red (blinking) (2 sec) | Timer count down, flash after 2 seconds. |

# Camera Buttons

## Navigation Buttons

The 4-way navigation buttons and the OK button allow you to access the various options available from the On Screen Display (OSD) menu. You can configure a wide range of settings to ensure maximum results from your photos and videos.

| Icon | Button | Function |
|---|---|---|
| **OK**/  | OK/<br>Anti-shake | 1. Confirm a selection when using the OSD menus<br>2. In Capture mode:<br>• Press to enable/disable the Anti-shake in Auto mode<br>• Press to enable AF area selection using 4-way navigation buttons (except Auto/ Av/ Tv/ Landscape/ Night Landscape/ Fireworks)<br>• Press to enable Aperture selection in Aperture Priority mode (Av)<br>• Press to enable Shutter Speed selection in Shutter Priority mode (Tv)<br>3. In Video mode:<br>• Press to enable/disable the Anti-shake function |

| | | |
|---|---|---|
| | | 4. In Playback mode:<br>• Press to start and pause the video playback<br>• Press to play and pause the audio playback<br>• Press to stop the voice memo playback<br>5. In USB mode:<br>• MSDC: N/A |
| [⚡] 🗑 | Up/Flash/ Delete | 1. Move up in the OSD menus<br>2. In Capture mode:<br>• Scroll through the flash mode options (Auto, Off, Fill and Red-eye Reduction.)<br>• Press to pan up in AF area selection<br>• Press to delete during 🗑 mark appears on LCD. (**QUICK VIEW** QV has to be set "**ON**" at **SETUP** 🔧 mode.)<br>3. In Playback mode:<br>• Press to pan up in zoom in mode<br>• Press to move up in the thumbnail display<br>• Press to delete images<br>4. In USB mode:<br>• MSDC: N/A |
| ⏲ | Right/Self-timer/Burst mode | 1. Move right in the OSD menus<br>2. In Capture mode:<br>• Press to scroll through the Self-timer/Burst/Multi-Burst mode<br>• Press to pan right in AF area selection<br>3. In Video mode:<br>• Press to scroll through the Self-timer options<br>4. In Playback mode:<br>• Press to pan right in zoom in mode<br>• Press to navigate to next image in single image display<br>• Press to move right in the thumbnail display |

| | | |
|---|---|---|
| | | • Press to fast forward video playback during Pause mode<br>5. In USB mode:<br>• MSDC: N/A |
| | Down/Screen/ Face Detection/ Smile Detection | 1. Move down in the OSD menus<br>2. In Capture mode:<br>• Press to enable the following functions: full icon, full icon with histogram, face detection, smile detection, and simple display (hide all icons except the mode icon). Press again to turn all icons back on the LCD screen.<br>**Note: Face and smile detection functions are not available in Sport, Landscape, Night Landscape, Fireworks, Foliage, Aquarium, and Copy modes.**<br>• Press to pan down in AF area selection<br>3. In Video mode:<br>• Press to turn off extra icons on the LCD screen, press again to turn all icons back on the LCD screen<br>4. In Playback mode:<br>• Press to pan down in zoom in mode<br>• Press to move down in the thumbnail display<br>• Press to show the file information<br>5. In USB mode:<br>• MSDC: N/A |

| | | |
|---|---|---|
| | Left/Macro | 1. Move left in the OSD menus<br>2. Go up to the previous level in the OSD menus<br>3. In Capture mode:<br>• Press to enable Macro mode. Macro icon displays on the LCD screen<br>• Press to pan left in AF area selection<br>4. In Playback mode:<br>• Press to pan left in zoom in mode<br>• Press to navigate to previous image in image display<br>• Press to move left in the thumbnail display<br>• Press to fast rewind video playback during Pause mode<br>5. In USB mode:<br>• MSDC: N/A |

## The Scene Button

The camera is equipped with a convenient **SCENE** button that takes you to the **Scene Menu** where you can scroll between different modes and choose different scene options. Use the **Left / Right / Up / Down** navigation buttons to scroll and use the **OK** button to select. Use the **SCENE** button to:

| Mode Type | Icon | Function |
|---|---|---|
| Auto | | Scroll to **Auto** mode. |
| P-Mode (Program Mode) | P | Scroll to **Program** mode. |
| Av (Aperture Priority) | Av | Scroll to **Aperture Priority** mode. |
| Tv (Shutter Priority) | Tv | Scroll to **Shutter Priority** mode. |
| Sport | | Scroll to **Sport** mode. |
| Landscape | | Scroll to **Landscape** mode. |
| Night Landscape | | Scroll to **Night Landscape** mode. |

| | | |
|---|---|---|
| Portrait | | Scroll to **Portrait** mode. |
| Night Portrait | | Scroll to **Night Portrait** mode. |
| Museum | | Scroll to **Museum** mode. |
| Snow | | Scroll to **Snow** mode. |
| Sunset | | Scroll to **Sunset** mode. |
| Fireworks | | Scroll to **Fireworks** mode. |
| Beach | | Scroll to **Beach** mode. |
| Party | | Scroll to **Party** mode. |
| Foliage | | Scroll to **Foliage** mode. |
| Aquarium | | Scroll to **Aquarium** mode. |
| Kids & Pets | | Scroll to **Kids & Pets** mode. |
| Copy | T | Scroll to **Copy** mode. |
| Backlight | | Scroll to **Backlight** mode. |
| Audio | | Scroll to **Audio** mode. |
| Video | | Scroll to **Video** mode. |

English

English

## Function Buttons

| Icon | Button | Function |
|---|---|---|
| MENU | Menu | Press to display the Menu options |
| | Playback | Press to review photo/video/audio clips saved in the internal memory or on the memory card |
| T / | Zoom in | In Capture mode:<br>• Press to zoom in on the subject to be taken<br>In Playback mode:<br>• Press to zoom in on saved photos |
| W / | Zoom out | In Capture mode:<br>• Press to zoom out from the subject to be taken<br>In Playback mode:<br>• Press to zoom out of saved photos<br>• Press to view thumbnails of all current saved media |

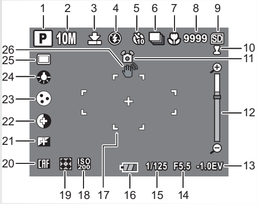
## LCD screen

The 2.7" TFT LCD screen shows all important information regarding camera settings as well as the visual image for your photo or video.

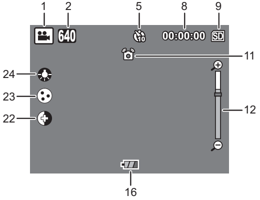
Use the **SCENE** button to switch between screen modes. Press the **Down/Screen / Face Detection / Smile Detection** button to switch among a Full display with histogram and without histogram, Face detection, Smile detection or a Simple display (only mode icon and focus area are shown while other icons are hidden).

# Capture/Video Mode Display

Capture Mode




Video Mode






| No. | Name | Scene | | Icon |
|---|---|---|---|---|
| 1 | Scene indicator | Auto | | |
| | | P-Mode | | |
| | | Av (Aperture Priority) | | |
| | | Tv (Shutter Priority) | | |
| | | Sport | | |
| | | Landscape | | |
| | | Night Landscape | | |
| | | Portrait | | |
| | | Night Portrait | | |
| | | Museum | | |
| | | Snow | | |
| | | Sunset | | |
| | | Fireworks | | |
| | | Beach | | |

| | | | | |
|---|---|---|---|---|
| | | Party | | |
| | | Foliage | | |
| | | Aquarium | | |
| | | Kids & Pets | | |
| | | Copy | | |
| | | Backlight | | |
| | | Audio | | |
| | | Video | | |
| 2 | Image Resolution | 10M | | |
| | | 8.9M 3:2 | | |
| | | 8M | | |
| | | 5M | | |
| | | 3M | | |
| | | 2.1M 16:9 | | |
| | | 2M | | |
| | | VGA | | |
| 3 | Image Quality | Best | | |
| | | Better | | |
| | | Good | | |
| 4 | Flash | Auto Flash | | |
| | | Flash Off | | |
| | | Fill Flash | | |
| | | Red-eye Reduction | | |

**Camera Buttons**

| | | | | |
|---|---|---|---|---|
| 5 | Self-timer/ Burst mode | Self Timer | 10 Seconds |  |
| | | | 2 Seconds |  |
| | | Burst Mode | |  |
| | | M-Burst | |  |
| 6 | AEB | AEB | | OFF |
| 7 | Macro indicator | Macro Mode | |  |
| 8 | Image Counter | Capture Mode | Quantity | 9999 |
| | | Video Mode | Time | 00:00:00 |
| 9 | Memory Interface | SD Card | |  |
| | | Internal Memory | |  |
| 10 | Date Stamp | - | |  |
| 11 | Anti-shake | - | |  |
| 12 | Zoom Bar | - | |  |
| 13 | EV Compensation | - | | -2.0EV ~ +2.0EV |
| 14 | Aperture Value | - | | |
| 15 | Shutter Speed | - | | 2~1/2000 |
| 16 | Battery Indicator | Battery Full | |  |
| | | Battery Medium | |  |
| | | Battery Low | |  |
| | | Battery Insufficient | |  Blinking |
| 17 | AF Frame | - | | - |

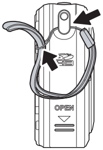
English

| | | | | |
|---|---|---|---|---|
| 18 | ISO Speed | Auto | |  |
| | | ISO 80 | |  |
| | | ISO 100 | |  |
| | | ISO 200 | |  |
| | | ISO 400 | |  |
| | | ISO 800 | |  |
| | | ISO 1600 | |  |
| 19 | Focus Zone | Multi-Zone | |  |
| | | Center | |  |
| | | Selected Area | |  |
| 20 | Continuous AF | - | |  |
| 21 | Sharpness | High | |  |
| | | Normal | |  |
| | | Low | |  |
| 22 | Contrast | High | |  |
| | | Normal | |  |
| | | Low | |  |
| 23 | Saturation | High | |  |
| | | Normal | |  |
| | | Low | |  |

| | | | | |
|---|---|---|---|---|
| 24 | White Balance | Auto | | |
| | | Sunny | | |
| | | Tungsten | | |
| | | Fluorescent | | |
| | | Cloudy | | |
| 25 | AE Metering | Matrix | | |
| | | Center Weighted | | |
| | | Spot | | |
| 26 | Camera Steady Warning | - | | |

# Camera Setup

## Attaching the Wrist Strap



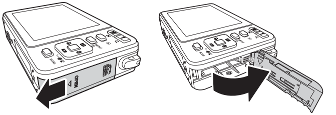

Follow these instructions to attach the wrist strap to your camera to facilitate easy carrying:

1. Insert the short loop of the strap in the strap eyelet.
2. String the larger loop of the strap through the short loop and pull tight to attach the strap to the camera.

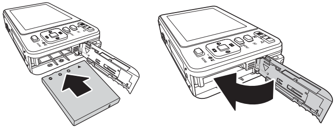
## Inserting the Battery

Follow these instructions to insert one Li-ion battery into the battery compartment.

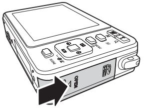
1. Open the battery compartment on the left of the camera.



2. Insert the battery into the compartment observing the correct polarity.



3. Close the battery compartment.



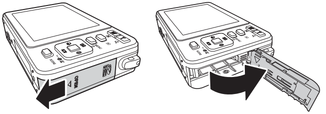
**Note: The Li-ion battery should be fully charged before using for the first time.**

# Inserting an SD/SDHC Memory Card

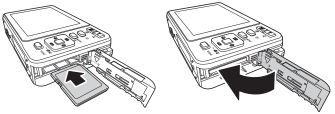
The camera features 10 MB internal flash memory but you may also use an optional SD/SDHC memory card for additional storage.

Follow these instructions to insert the SD/SDHC card.

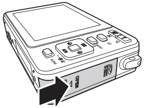
1. Open the battery compartment on the left of the camera.



2. Insert the SD/SDHC card into the memory card slot as shown.



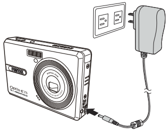
3. Close the battery compartment.



To remove the SD/SDHC card, gently push the card until it pops out. Pull out the card carefully.

**Note:**
**Please don't take in and out the SD card while camera is processing. It will make unexpected error or image damaged.**

# Charging the Battery



1. Insert the battery into the camera and connect the AC adapter to the DC-in port as shown in the picture.
2. Connect the AC adapter to a live household outlet to start charging.
3. Disconnect the battery when the charging is done.
4. When the charging is done, Power LED turns off.

# Turning On

Press and hold the **Power** button to turn on the camera. To turn off the camera, press the **Power** button again.



# First Time Use

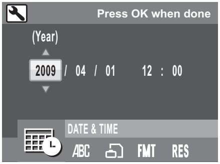
Press the **Power** button as described above, a welcome screen displays momentarily on the LCD screen.




If the camera is turned on for the first time, the **Language** menu pops up automatically after powering on the camera. Press the **OK** button and select the desired language by **Up/Down** navigation buttons,then press the **OK** button to confirm.




After the desired language is selected, the **Date and Time** menu pops up. Press the **OK** button. Select each field and adjust the value using the navigation buttons. Press the **OK** button to confirm.




**Note:**
**If the Date and Time is reset (when the battery die or is removed and the camera is not used for a long period), the Date and Time setup screen displays automatically.**

# Getting Started

Now that you are familiar with the layout of your camera, you are ready to start taking photos, movies or recording sounds.

## Taking Photos

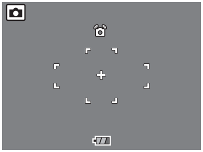
Taking a photo with the camera is very simple.

Turn the camera on and press the **SCENE** button to access the **Auto** mode.

1. Frame the shot on the LCD screen and press the **Shutter** button halfway. The camera automatically adjusts the focus and exposure. The AF Frame turns green when ready.
2. Press fully and hold the **Shutter** button to capture the image.

When a camera steady warning icon appears, hold the camera as still as possible, as a longer exposure time is required.

### Anti-shake Function



This function is available in **Auto** capture mode. Press the **OK** button to enable the Anti-shake function, and press again to disable it.

An Anti-shake icon displays on the LCD screen when the function is activated.

# Using Macro Mode

Macro mode is designed for close-up photography and can capture all detail even when your subject is very close to the camera. Press the **Left / Macro** navigation button. The Macro icon displays on the LCD screen.

> **Note:**
> **The camera supports seamless AF in Auto/ P-Mode/Av/ Tv/ Foliage with which a greater focus range is achieved without selecting the focus mode manually.**
> **1.In Auto/ P-Mode/Av/ Tv/ Foliage with Macro mode setting:AF scans objects from 70cm to the lens' closest focus distance (wide:10cm, Tele:35cm). After completing this Macro scan, if no object is focused in Macro range, then AF will extend to perform the normal scan.**
> **2.In Auto/ P-Mode/Av/ Tv/ Foliage with no Macro mode setting:AF scans objects from infinity to normal range(0.6m) first. If AF can't adjust focus in the first stage, then continues to scan from normal range to the closest focus distance (Macro mode).**
> **The benefit of seamless AF is that focus point is determined automatically for objects in a greater range. Note that, however, due to scanning the wider range, longer scanning time may be required.**

Setting the Flash Mode

You can choose from four flash modes to suit various lighting conditions.

Press the **Up / Flash [ϟ] / Delete** navigation button to scroll through the four modes on the LCD screen. The flash setting remains the same for subsequent photos until you change it as described above.

Auto flash: The flash fires automatically when needed.

Flash off: The flash is turned off.

Fill flash: The flash always fires.

Red-eye Reduction: The flash fires twice so as to reduce the red-eye effect.

# Using the Zoom in/out Function

The camera comes equipped with 3x optical zoom and 5x digital zoom that allows you to zoom in on your subject.

To use the zoom:

1. Press the right side of the Zoom button **T** to zoom in on your subject.
2. Press the left side of the Zoom button **W** to zoom out from your subject.

## Using the Self-timer and Burst Photography

The camera comes equipped with a self-timer which allows you to take photos after a pre-defined delay. The burst photography feature allows you to take multiple consecutive photos by pressing and holding the **Shutter** button. The multi-burst photography feature allows you to take multiple (16) consecutive VGA photos by pressing the **Shutter** button once.

English

To set the self-timer/burst mode:

1. Press the **Right/Self-timer /Burst mode** navigation button to cycle through the selftimer( or ) and burst photography options ( or ) on the LCD screen.
2. Once you have selected an option, frame and take your shot. In self-timer mode, the icon will flash until the time expires and the photo is taken.
3. After taking a photo, the Self-timer automatically switches off. If you want to use these functions for the next photo, press the **Right/Self-timer /Burst mode** navigation button again to activate the function.

**Note:**

**: Burst Mode**

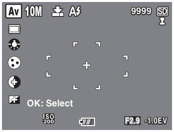
**Take photos until shutter is released.**

**: Multi-Burst Mode**

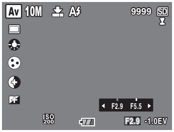
**16 photos continuously by pressing the shutter button once.**

English

# Using the Av Mode




Aperture priority mode allows you to manually select the aperture and the camera automatically decides adequate exposure time. Use large aperture to get images with soft background, small aperture to get images with clear depth of field (DOF).




To set the aperture:

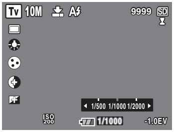
1. Press the **SCENE** button and select Av mode,press **OK** button to confirm. The Av icon displays on the LCD screen. Press the **OK** button to enter aperture selection mode.
2. Use the **Left/Right** navigation buttons to select an aperture value. Two options are available depending on the lens zoom position:
   - F2.9 and F5.5
   - F3.2 and F6.3
   - F3.6 and F7.0
   - F4.1 and F7.9
   - F4.6 and F8.9
   - F5.2 and F10.0
3. Press the **OK** button to confirm the selection and return to the capture mode.

# Using the Tv Mode




Shutter priority mode allows you to take photos with a fixed shutter speed, and the camera automatically selects the proper aperture. This mode is used to control how you capture moving objects. Use faster shutter speed to freeze the motion of moving objects or slower shutter speed to blur the image.

To set the shutter speed:

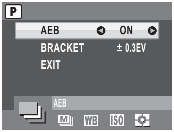



1. Press the **SCENE** button and select Tv **Tv** mode,press **OK** button to confirm. The Tv icon displays on the LCD screen. Press the **OK** button to enter shutter speed selection mode.
2. Use the **Left/Right** navigation buttons to scroll through the shutter speed in the following steps: 2, 1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/125, 1/250, 1/500, 1/1000, and 1/2000 seconds.
3. Press the **OK** button to confirm the selection and return to the capture mode.

## Using the AEB (Auto Exposure Bracketing) Function

When using the **AEB (Auto Exposure Bracketing)** function, the camera auto-matically takes 3 consecutive photos with different exposures by pressing the **Shutter** button once. For example, when the current EV compensation value is +1.0 EV and the AEB bracket interval value is set to ±0.3, the camera takes shots of the same scene with 3 varying levels of exposure: +0.7 EV, +1.0 EV, and +1.3 EV.

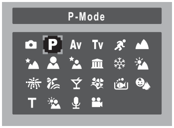
This function is only available in **Auto**, **P-Mode**, **Av** and **Tv** modes. To set the AEB mode:




1. Press the **MENU** button to display menu options.
2. Press the **Left/Right** navigation buttons to select **AEB** setting.
3. Press the **Up/Down** navigation buttons to select from the available options:
   - AEB: Select to enable (ON) or disable (OFF) the AEB function.
   - BRACKET: Select to set the bracket interval value ranging from ±0.3 to ±2.0 EV in 0.3 or 0.4 EV increments.
   - EXIT: Select to apply new settings to the camera and return to the setup menu.

**Note: 1. When taking AEB shots, hold the camera steadily. For the best result, use the tripod.**
**2. Flash, Burst, and M-Burst modes are not allowed when the AEB function is enabled.**

## Setting the Scene Mode




The camera supports various preset modes for shooting in different environments and conditions. Each setting is configured automatically by the camera.

To select scene modes:

Press the **SCENE** button to access the **Scene** menu which displays the **Scene** menu options.

English

1. Use the **Left / Right / Up / Down** navigation buttons to scroll through the modes.

- Auto
- P-Mode
- Aperture Priority
- Shutter Priority
- Sport
- Landscape
- Night Landscape
- Portrait
- Night Portrait
- Museum
- Snow
- Sunset
- Fireworks
- Beach
- Party
- Foliage
- Aquarium
- Kids & Pets
- Copy
- Backlight
- Audio
- Video

2. Press **OK** to confirm your selection.

## Face and Smile Detection AF/AE Function




The face ( ) and smile ( ) detection functions can be set on and off with each press of the **Down / Screen** navigation button in the following capture modes:Auto, P-Mode, Av, Tv, Portrait, Night Portrait, Museum, Snow, Sunset, Beach, Party, Kids & Pets, Backlight. When the subject's face/ smile is detected, the white focus frame appears to track faces/smiles while the camera or people are moving.

When the **Shutter** button is pressed halfway, the green focus frames appear on the LCD screen. Then the camera automatically adjusts the focus point and exposure to the optimized value. Press the

**Shutter** button all the way to take pictures with detected face. When a detected face smiles, the shutter automatically fires.

However, when the camera fails to detect your subject's face, a white focus frame will be displayed according to the selected focus mode.

To disable the face and smile detection function, press the **Down/Screen** navigation button again.

English

# Recording Videos

You can also record video clips with the camera.

To record a video clip:

1. Turn the camera on and press the **SCENE** button. Use the 4-way navigation buttons to locate **Video** mode. Press the **OK** button to select.
2. Frame your subject using the LCD screen and press the **Shutter** button to start recording. The self-timer LED is steady on to indicate recording is in progress.
3. Press the **Shutter** button again to stop recording.
4. In playback mode (Press the button), press the **OK** button to playback the video. Press the **Up/Flash** **/Delete** navigation button to delete the recording if needed.

# Recording Audio Files

You can also record audio files with the camera.

To record an audio file:

1. Press the **SCENE** button and select the **Audio** mode with 4-way navigation buttons, then press the **OK** button to confirm.

2. Press the **Shutter** button to start recording. A counting up timer will be displayed during audio recording.

3. Press the **Shutter** button again to stop recording, and ready to the next audio recording.

4. In playback mode (press the button), press the **OK** button to playback the audio. Press the **Up/Flash** **/Delete** navigation button to delete the recording if needed.

# Recording Voice Memos

The voice memo should be activated (ON) on the VOICE MEMO submenu of SETUP menu at first.

In Capture mode:

You can add a 1-minute voice memo to an image right after it's taken.

1. Hold the **Shutter** button to start recording and release the **Shutter** button to stop recording.
2. While recording, the captured image and the elapsed time are shown on the LCD screen.
3. For the playback, press the ▶ button, and the playback of the voice memo automatically starts.
4. Press the **OK** button once for playback again.

In Playback mode:

1. Press the **Shutter** button to start recording and press again to stop recording.
2. While recording, the selected image and the elapsed time are shown on the LCD screen.
3. The playback of the voice memo automatically starts.
4. Press the **OK** button once for playback again.

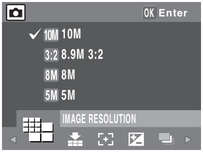
# Capture Settings

This section describes the various settings you can modify to get better results when taking photos and video clips.

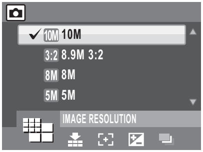
## The Capture Menu

To access the Capture menu:

1. Press the **SCENE** button. Use the 4-way navigation buttons to select the capture mode you need.




2. Press the **MENU** button to display menu options and use the **Left/Right** navigation buttons to select the function you need, then press the **OK** button to enter the selection function.

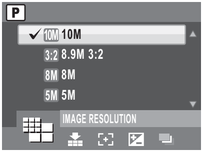



3. Press the **Up/Down** navigation buttons to highlight an option and press the **OK** button to confirm.

Refer to the following sections for more detailed information about each setting.

**Note:The displayed options in this section may vary according to the mode selected.**

### Image Resolution




The **Image Resolution** setting refers to the size of the image in pixels. Use the **Up/Down** navigation buttons to select from the options. Eight settings for image resolution are available:

- 10M (3648×2736)(default)
- 8.9M (3648x2442)
- 8M (3264x2448)
- 5M (2576x1932)
- 3M (2048x1536)
- 2.1M (1920x1080)
- 2M (1600x1200)
- VGA (640x480)

## Image Quality

The **Image Quality** setting refers to the compression ratio of the JPG. The higher image quality, more memory space is required. Use the **Up/ Down** navigation buttons to select from the options. Three settings for image quality are available:

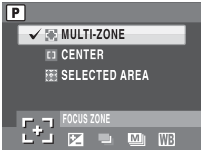
- BEST (default)
- BETTER
- GOOD




## Focus Zone

The **Focus Zone** setting allows you to select the number of zones the camera will focus on when taking a photo. Use the **Up/Down** navigation buttons to select from the options. Three settings for focus zone are available:

- MULTI-ZONE (default)
- CENTER
- SELECTED AREA: When this option is set, press the **OK** button to enable AF area selection. The new setting is applied to the Live View image each time navigation buttons are pressed. Press the **OK** button to return to the capture mode and save the current setting, which will take effect until it is changed again.

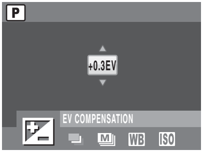



**Note: In Auto Mode, there is no "Selected Area" item.**

## EV Compensation

The **EV Compensation** menu allows you to adjust the exposure or amount of light that enters the lens while capturing photos or videos. Use this feature to take pictures that are intentionally overexposed or underexposed.

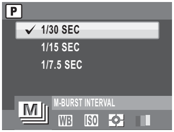
Use the **Up/Down** navigation buttons to modify the value. To brighten, select a positive (+) value. To darken, select a negative (-) value. This setting can be modified from -2.0EV to +2.0EV in a 1/3EV increment/ decrement.




## AEB

See "Using the AEB (Auto Exposure Bracketing) Function" on page 22 for more details.

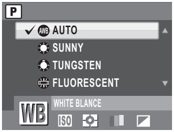
## M-Burst Interval




The **M-Burst Interval** setting allows you to adjust the burst interval when the multi-burst function is enabled. Use the **Up/Down** navigation buttons to select from the options. Three settings for M-Burst Interval are avaliable:

- 1/30 SEC (default)
- 1/15 SEC
- 1/7.5 SEC

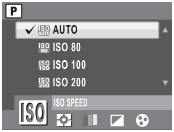
## White Balance




The **White Balance** setting allows you to adjust the camera setting according to the ambient white light when shooting. White balance represents the color temperature of the light. If the light has a yellowish or reddish tinge, it is said to be warm; if it has a bluish tinge, it is said to be cool. You can select the setting and preview it on screen before confirming your choice. Use the **Up/Down** navigation buttons to select from the options. Five white balance settings are available:

- AUTO (default)
- SUNNY
- TUNGSTEN
- FLUORESCENT
- CLOUDY

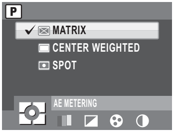
## ISO Speed




The **ISO Speed** setting allows you to adjust the CCD light-sensitivity. Use the **Up/Down** navigation buttons to select from the options. Seven ISO settings are available:

- AUTO (default)
- ISO 80: For outdoor photography in bright sunlight.
- ISO 100: For outdoor photography in bright sunlight.
- ISO 200: For outdoor or indoor photography in bright light.
- ISO 400: For indoor photography or low light environments.
- ISO 800: For moving object photography or low light environments without using flash.
- ISO 1600: For moving object photography or low light environments without using flash.

## AE Metering

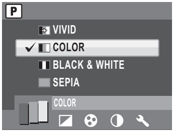



**AE Metering** allows you to select the area of the subject or frame that the camera selects to measure light. Use the **Up/Down** navigation buttons to select from the options. Three AE metering settings are available:

- MATRIX (default): Camera metering is set for evaluating 16 zones of objects with intelligent weighting in the frame.

- CENTER WEIGHTED: The metering puts more emphasis on the center of the image while still looking at the entire scene.
- SPOT: Camera metering is set for the brightness of a single object in the center of the frame.

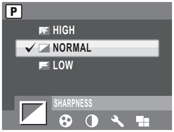
# Color




The **Color** setting allows you to take photos and apply different colors or color tones for an artistic effect. Use the **Up/Down** navigation buttons to select from the options. Four color settings are available:

- VIVID
- COLOR (default)
- BLACK & WHITE
- SEPIA

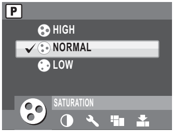
# Sharpness




The **Sharpness** setting allows you to enhance the finer details of your photos. Use a higher setting for very sharp photos and a lower setting for a soft-toned photo. Use the **Up/Down** navigation buttons to select from the options. Three sharpness settings are available:

- HIGH
- NORMAL (default)
- LOW

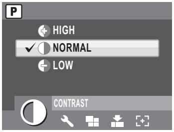
# Saturation




The **Saturation** setting allows you to adjust the saturation of the colors in your photos. Use a high saturation setting for rich colors and a lower saturation setting for more natural tones. Use the **Up/Down** navigation buttons to select from the options.Three saturation settings are available:

- HIGH
- NORMAL (default)
- LOW

# Contrast




The **Contrast** setting allows you to adjust the contrast of your photos. Use the **Up/Down** navigation buttons to select from the options.Three contrast settings are available:

- HIGH
- NORMAL (default)
- LOW

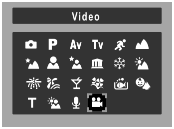
## Setup

See “The Setup Menu” on page 43 for more details on the setup menu options.

# Video Capture Menu

To access the video menu:

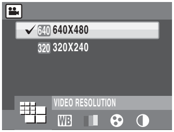
1. Press the **SCENE** button and scroll to **Video** mode and press the **OK** button to enable the Video function. Press again to enable the Anti-shake function.
2. Press the **MENU** button to display the menu options.
3. Refer to the following sections for more detailed information about each setting.




## Video Resolution

The **Video Resolution** setting allows you to adjust the resolution at which your videos are recorded. 2 video size settings are available:

- 640X480(default)
- 320X240




## White Balance

See “White Balance” on page 28 for more details on the setup menu options.

## Color

See “Color” on page 29 for more details on the setup menu options.

## Saturation

See “Saturation” on page 29 for more details on the setup menu options.

## Contrast

See “Contrast” on page 29 for more details on the setup menu options.

## Setup

See “The Setup Menu” on page 43 for more details on the setup menu options.

**Note: The displayed options in the Capture Menu may vary according to the mode selected.**

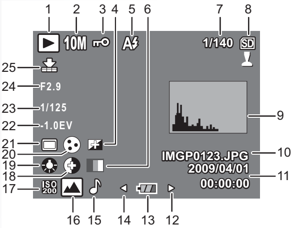
English

# Photo, Video & Audio Playback

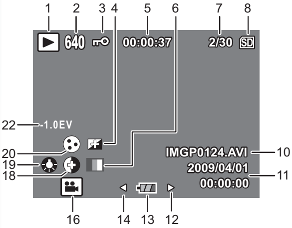
## Playback Mode Display

Press the Down/Screen navigation button at Playback mode.

Photo Playback




Video Playback



| No. | Name | Icon |
|---|---|---|
| 1 | Playback mode | |
| 2 | Image resolution | Photo mode: 10M 3:2 8M 5M 3M 16:9 2M VGA<br>Video mode: **640** (640x480), **320** (320x240) |
| 3 | Protect | |
| 4 | Sharpness | |
| 5 | Flash mode | Photo mode:<br>Video mode: **00:00:00** (Length of the video clip.) |
| 6 | Color mode | |
| 7 | File x of y number of files | x/y |
| 8 | SD card / Internal memory | SD |
| 9 | Histogram | |
| 10 | File Name | Photo mode: **IMGP0123.JPG**<br>Video mode: **IMGP0124.AVI** |
| 11 | Date and Time | 2009/04/01<br>00:00:00 |
| 12 | Next | Move to next item. |
| 13 | Battery status | |
| 14 | Previous | Move to previous item. |
| 15 | Voice memo | |

**Playback Mode Display**

English

| | | |
|---|---|---|
| 16 | Mode icons | Please see “Capture/Video Mode Display” on page 10 for detailed information. |
| 17 | ISO Speed | ISO AUTO, ISO 80, ISO 100, ISO 200, ISO 400, ISO 800, ISO 1600 |
| 18 | Contrast |  |
| 19 | White balance |  |
| 20 | Saturation |  |
| 21 | AE Metering |  |
| 22 | EV Compensation | +2.0EV ~ -2.0EV |
| 23 | Shutter speed | 1/2000 sec. ~ 2 sec. |
| 24 | Aperture value | |
| 25 | Image quality |  |

# Viewing Photos / Videos on the LCD Screen

To view your photos and video files on the LCD screen:

1. Press the **Playback** button. The most recent photo or video clip is displayed.
2. Use the **Left/Right** navigation buttons to scroll through photos and video clips.
3. Press the **OK** button to begin playback of a video clip.
4. Press the **Left/Right** navigation buttons at any time during playback to skip to the previous/next photo or video.
5. Press the **OK** button then press the **Left/Right** navigation buttons to fast-rewind/fast-forward during video playback.
6. Press the **OK** button at any time during playback to pause the video.
7. After the video clip finishes playing, the LCD screen displays the first frame of the clip.

English

## Viewing M-Burst Photos

To view your multi-burst photos on the LCD screen:

1. Press the **Playback** button ▶. The most recent photo or video clip is displayed.
2. Use the **Left / Right** navigation buttons to scroll through photos.
3. When reviewing a multi-burst image, it will be displayed from the 1st frame to the 16th frame at 2 frames per second like a slideshow.
4. To stop the M-Burst slideshow, press the **Left / Right** navigation buttons and skip to the previous/ next image.

## Listening to Audio Files

To listen to audio files:

1. Press the **Playback** button ▶. The most recent photo or video clip is displayed.
2. Use the **Left / Right** navigation buttons to scroll through the files.
3. Press the **OK** button to begin playback of an audio file.
4. Press the **Left / Right** navigation buttons at any time during playback to skip to the previous/next audio file.
5. Press the **OK** button and press the **Left / Right** navigation buttons to fast-rewind/fast-forward during audio playback.
6. Press the **OK** button at any time during playback to pause.

## Listening to Voice Memo

A voice memo plays simultaneously when playing a saved image with voice memo.

To stop a voice memo while reviewing an image, press the **OK** button.

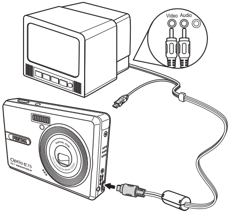
To skip to previous/next image, press the **Left / Right** navigation buttons.

# Viewing Photos/Videos on your TV

To view images stored on the camera on your TV, you must connect via the **USB / AV** port on the side of the camera. To connect your camera to a TV:

1. Turn on the camera and make sure that the camera's video out format is set to the same as that of the TV. See "Video Out" on page 45 for more information.

2. Connect the USB/AV 3-in-1 cable to the **USB/AV** port on the camera.
3. Connect the other end of the cable to the TV's AV input sockets.
4. The LCD screen turns black and all images and video clips are displayed on the TV screen. Follow the same steps described in "Viewing Photos / Videos on the LCD Screen" on page 34.




# Zooming In/Out During Playback

The camera's zoom feature can also be used during playback. This allows you to view photos in greater detail.

To zoom in/out on saved photos:

1. Press on the right side of the Zoom button **T** to zoom in and on the left side of the Zoom button **W** to zoom out of the photo.
2. Use the 4-way navigation buttons to pan across the image.
3. To crop an image, press the **OK** button, when zoomed in on a photo. The cropped image is saved with a new name. When zoomed out to the minimum, the LCD screen will display all photos and videos as a series of thumbnails.

# Deleting Photos/Videos/Audios




The **Delete** function allows you to remove unwanted files stored on the internal memory or on a memory card.

To delete a photo/video:

1. In **Playback** mode, press the **Up/Flash** **/Delete** navigation button to display the **Delete** menu.
2. Press the **Up/Down** navigation buttons and the **OK** button to select from the four available options:
   - CANCEL: Select to cancel the action and exit to the main menu.
   - VOICE MEMO (only available for images with voice memos attached): Select to delete the voice memo.
   - THIS IMAGE/VIDEO/AUDIO: Select to delete the current image/video/audio.
   - ALL IMAGES: Select to delete all files.

# Using the Playback Menu

Access the playback menu to view further information, configure printing settings, view a slideshow, or delete photos or movies.




To access the playback menu:

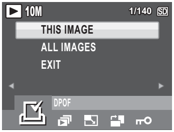
1. Press the **Playback** button .
2. Press the **MENU** button to display the menu options. Use the **Left/ Right** navigation to select the function from the menu, and press the **OK** button to enter.
3. Use the **Up/Down** navigation buttons to highlight an option and press the **OK** button to confirm.

## DPOF

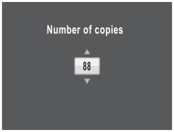
**DPOF** (Digital Print Order Format) allows you to specify the number of copies of a certain image that you want to print at a later date.

Use this function to tag pictures stored in your memory card with print information. You can tag all pictures to be printed or just the current picture. You can also select how many copies to print.

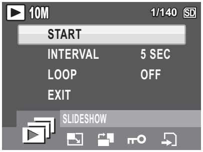
To set DPOF:




1. Press the **MENU** button to select **DPOF** from the menu in the playback mode, then press the **OK** button to enter the DPOF function.
2. Press the **Up/Down** navigation buttons and the **OK** button to select from the available options:
   - THIS IMAGE: Select to print the current image.
   - ALL IMAGES: Select to print all images.
   - EXIT: Select to exit to the main menu.
3. Use the **Up/Down** navigation buttons to set the number of copies you wish to print.



## Slideshow




The **Slideshow** function allows you to view all stored photos in a continuous sequence.

To view a slideshow:

1. Press the **MENU** button to select **SLIDESHOW** from the menu, then press the **OK** button to enter the Slideshow function.
2. Press the **Up/Down** navigation buttons and the **OK** button to select from the available options:
    - START: Select to start the slideshow.
    - INTERVAL: Select to set the interval time between each photo during the slideshow. Use the **Left/Right** navigation buttons to set a value in seconds. The default setting is 5 seconds.
    - LOOP: Select to enable/disable a continuous loop of the slideshow. Select **ON** or **OFF** (default) from the submenu.
    - EXIT: Select to exit to the main menu.

## Resize




The **Resize** function allows you to change the image resolution.

To resize a photo:

1. Press the **MENU** button to select **RESIZE** from the menu, then press the **OK** button to enter the Resize function.
2. Press the **Up/Down** navigation buttons and the **OK** button to select the resize ratio you require: 6M, 4M, 2M, 1M, VGA and EXIT.
3. Select **EXIT** to return to the main menu.

**Note: It is only possible to scale-down image resolutions. If the current image resolution is VGA, this menu item is disabled in the Resize submenu. The ratio of the image (3:2 or 16:9) remains unchanged after resizing.**
**• This function only supports pictures taken with this camera**
**• Cropped images cannot be resized**
**• If there is not sufficient storage space, images cannot be resized**
**• If the SD/SDHC card is locked, images cannot be resized**
**• VGA images cannot be resized**

## Rotate

The **Rotate** function allows you to change the orientation of a saved photo.






To rotate an image:

1. Press the **MENU** button to select **ROTATE** from the menu. Press the **OK** button to enter.
2. Press **Left/Right** navigation button to rotate the selected image.
3. Use the **Up/Down** navigation buttons to select **OK** or .
   - **OK**: Confirm the selection and save the image.
   - : Select to discard the changes and return to the main menu.
4. Press the **OK** button to confirm the one you needed.

## Protect

You can lock a photo or video to protect it from being accidentally erased. To lock a photo or video:

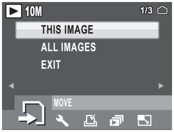
1. Press the **MENU** button to select **PROTECT** from the menu and press the **OK** button to enter.
2. Use the **Up/Down** navigation buttons to select **Lock** or **EXIT**, then press the **OK** button to confirm the one you needed.
3. **Lock** icon displays at the top of the screen to indicate the photo/video is now locked.
4. To unlock a photo or video, perform the steps 1 and 2 again.






English

## Move




The **Move** function allows you to move images stored in internal memory to a memory card.

To move an image:

1. Press the **MENU** button to select **MOVE** from the menu.
2. Press the **Up/Down** navigation buttons and the **OK** button to select from the three available options:
    - THIS IMAGE: Select to move the current image to a memory card.
    - ALL IMAGES: Select to move all images to a memory card.
    - EXIT: Select to exit to the main menu.

**Note: The Move function is only available when you choose internal memory as the storage media and an SD card has been inserted into the camera.**

## Divide





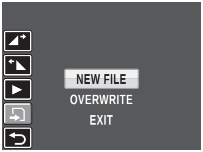


The **Divide** function allows you to cut unnecessary portions of a video. This feature is useful when the memory capacity is insufficient or when users want to trim video clips.

To divide a video:

1. Press the **MENU** button to select **DIVIDE** from the menu.
2. Press the **OK** button to enter the edit mode.
3. Use the **Up/Down** navigation buttons to select the portion of the video you want to delete.
    -  Beginning of the new video clip
    -  End of the new video clip
4. Press and hold the **Left/Right** navigation buttons to specify the beginning and end position of the new video clip and release at the frame you want to stop.

5. Press the **Up/Down** navigation buttons and the **OK** button to select from the following options:



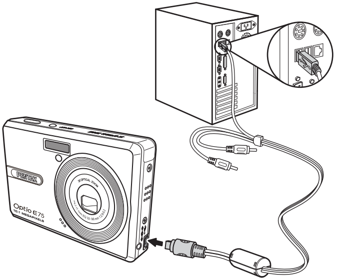

- Select to review the trimmed video clip.
- Select to save the trimmed video clip as a new file or overwrite the original video. Select **EXIT** to discard the changes.
- Select to return to the main menu.

**Note: The Divide function is only available when a video file is selected. Video clips shorter than one second cannot be edited.**

# Transferring Photos/Videos to your PC

To transfer photos and videos to your PC, follow the on-screen instructions to complete the installation:

Connect the camera's USB port to a free USB port on your PC using the USB cable.




The camera's internal memory and/or SD/SDHC card appear as removable drives in the file manager. Copy the files from the drives to the directory on your PC.

Use ArcSoft PhotoImpression and ArcSoft VideoImpression (provided on the software CD) to view or edit the photos and videos respectively.

English

**Note: The USB mode is only available in MSDC.**

# Camera Settings

## The Setup Menu

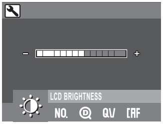



The setup menu, available in capture and playback modes, allows you to configure the camera's general settings according to your preferences.

To access the setup menu:

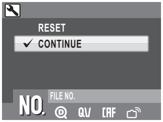
1. Press the **MENU** button when in **Playback** or any of the capture modes.
2. Select **SETUP** from the menu. Press the **OK** button to enter, then the submenu appears.
3. Use the **Left/Right** navigation buttons to scroll through the options and press the **OK** button to enter further submenus and to confirm your selection. Refer to the following sections for more detailed information about each setting.

## LCD Brightness



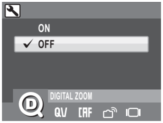

The **LCD Brightness** setting allows you to brighten or darken the LCD backlight. Press the **OK** button to enter. Use the **Left/ Right** navigation buttons to increase or decrease the brightness.

## File Number



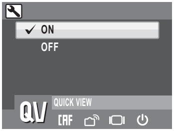

The **File No.** setting allows you to reset the file number to 0001 when the camera creates a new folder. Otherwise, the next file number will be used. Select **RESET** to reset or **CONTINUE** to set the file numbers in continuous order.

## Digital Zoom




The **Digital Zoom** setting allows you to turn the digital zoom function on or off. Press the **OK** button to confirm. Select **ON** to enable the function or **OFF** (default) to disable it.

## Quick View

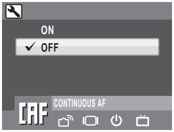



The **Quick View** setting allows you to view the photo that you have just taken. Once you have taken your photo, it displays on the LCD screen. If you are not satisfied with the result, you can press the button to delete the photo immediately. Press the **OK** button to confirm. Select **ON** (default) to enable the function or **OFF** to disable it.

> **Note:**
> **The Quick View function is not available in Burst and M-Burst modes.**

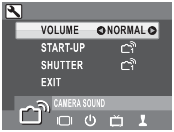
English

## Continuous AF




The **Continuous AF** setting allows you to turn the continuous auto focus function **ON** or **OFF**. Press the **OK** button to enter. Select **ON** to enable the function or **OFF** (default) to disable it.

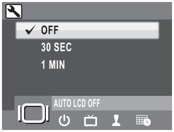
## Camera Sound




The **Camera Sound** setting allows you to adjust the camera sound level. You can also set the start-up and shutter sound when you turn on the camera and press the **Shutter** button. Available options are as follows:

- VOLUME: Off, Low, Normal (default) , High
- START-UP: Sound 1 (default), Sound 2, Sound 3
- SHUTTER: Sound 1 (default), Sound 2, Sound 3
- EXIT: Select to discard the changes and return to the main menu.

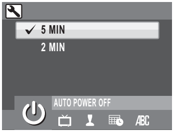
## Auto LCD Off




The **Auto LCD Off** setting allows you to adjust the length of time that the LCD screen will remain lit before turning off to save battery power. Three options are available:

- OFF (default)
- 30 SEC
- 1 MIN

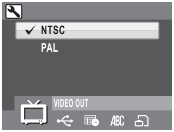
## Auto Power Off




The **Auto Power Off** setting allows you to adjust the length of time after which the camera will power down when inactive. Use the **Up/Down** navigation buttons to select from the menu options. Two options are available:

- 5 MIN (default)
- 2 MIN

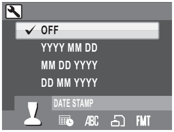
## Video Out




The **Video Out** setting allows you to adjust the video output, depending on the type of your TV. Use the **Up/Down** navigation buttons to select from the menu options. Two options are available:

- NTSC (default)
- PAL

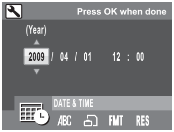
## Date Stamp




The **Date Stamp** setting allows you to adjust the format in which the date will appear on each photo or video. You can also deactivate this function if you wish. Setting a date stamp allows for easy sorting and the date will appear on the photo when printed. Press the **OK** button to confirm. Use the **Up/Down** navigation buttons to select from the menu options. Four options are available:

- OFF (default)
- YYYY MM DD: year-month-day format
- MM DD YYYY: month-day-year format
- DD MM YYYY: day-month-year format

## Date and Time




The **Date and Time** setting allows you to set or adjust the date and time on your camera. To set or adjust the date and time:

Press the **OK** button to confirm.

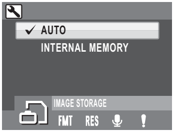
- Press the **Left/Right** navigation buttons to select the **Year** field.
- Press the **Up/Down** navigation buttons to adjust the **Year** value.
- In the same way, select the **Month**, **Day**, **Hour** and **Minute** fields and adjust them accordingly.

# Language




The **Language** setting allows you to choose which language the OSD menu uses. Scroll down the list and select your language. Press the **OK** button to confirm. Use the **Up/Down** navigation buttons to select from the menu options.

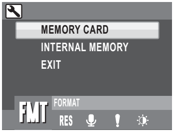
# Image Storage




The **Image Storage** setting allows you to specify where photos and video clips will be stored. The camera features 10 MB internal memory but you can also insert an SD/SDHC card (See "Inserting an SD/SDHC Memory Card" on page 16 for more details). Two options are available:

- AUTO (default): When selected, the camera chooses the storage medium automatically. If an SD/SDHC card is inserted in the camera, all photos and videos are stored on the card. If an external card is not detected, all photos and videos are stored in the internal memory.
- INTERNAL MEMORY: All photos and videos are stored in the internal memory.

# Format




The **Format** setting allows you to erase all data in the internal memory or on the SD/SDHC card. Press the **OK** button to confirm. Use the **Up/Down** navigation buttons to select from the menu options. Three options are available:

- MEMORY CARD (default): All data on the SD/SDHC will be formatted.
- INTERNAL MEMORY: All data in the internal memory will be formatted.
- EXIT: Cancel format action.

## Reset

The **Reset** setting allows you to reset the camera to the original factory default settings except date&time, language, and video out format. This means all modifications you have made to the camera settings will be cleared.




Once selected, the reset screen displays a confirmation message. Press the **OK** button to enter the selection function, select **YES** to proceed with the **Reset** or **EXIT** (default) to cancel.

## Voice Memo




The **Voice Memo** setting allows you to record a voice memo when a photo is taken or in playback mode. Select **ON** to enable the Voice Memo function or **OFF** (default) to disable it.

## About




The **About** screen allows you to check the current firmware version of the camera.

# Specifications

| | | |
|---|---|---|
| **General** | Resolution / Image Type | Approx. 10.1 M Pixels / 1/2.33 CCD |
| | LCD | 2.7”TFT, 230,000 Pixels |
| | Dimensions | Approx. 93(W) x 58(H) x 23.5(D)mm |
| | Exterior Casing | Plastic housing + Chromed plastic center frame |
| **Optics** | Aperture | Wide: F2.9, Tele: F5.2 |
| | Optical Zoom | Up to 3x |
| | Digital Zoom | Up to 5x |
| | Focal Length | f=5.7mm (W), 17.1mm (T), (f=32mm ~ 96mm, 35 mm equivalent) |
| | Photo Graphic Range | Normal: 0.6 m ~ infinity<br>Macro: 10 ~ 70 cm (Wide), 35 ~ 70 cm (Tele)<br>Landscape: 0.1 m ~infinity<br>Support seamless AF in Auto/ P-Mode/Av/ Tv/ Foliage modes |
| | Shutter Speed | 2 ~ 1/2000 Sec. |
| | Viewfinder | None |
| **Camera Features** | Auto Power Off / Time Out | Yes |
| | ISO Equivalent | Auto, ISO80/100/200/400/800/1600 |
| | External Memory | Support SD/SDHC card from 32MB to 16GB |
| | Flash Modes | Auto, Off, Fill, Red-eye |
| | Shooting Mode | Auto, P-Mode, Av, Tv, Sport, Landscape, Night Landscape, Portrait, Night Portrait, Museum, Snow, Sunset, Fireworks, Beach, Party, Foliage, Aquarium, Kids & Pets, Copy, Backlight, Audio, Video |
| | Tripod Mount | 1/4” Standard |
| | Macro | Yes |

| | | |
|---|---|---|
| **Image Resolution** | Image File Formats | Still Image: JPEG (Exif2.2) |
| | Image Quality Mode | Still Image: 10M 3648×2736, 3:2 3648x2442,<br>8M 3264x2448, 5M 2576x1932, 3M 2048x1536,<br>16:9 1920x1080, 2M 1600x1200, VGA 640x480<br>Movie Mode: 640x480@30fps, 320x240@30fps |
| | Quality Levels | Best, Better, Good |
| **Capture Features** | DPOF | Version 1.1 |
| | Erase Protection | Yes |
| | Exposure Compensation | Selectable +/-2.0 EV with 1/3 EV steps |
| | Sharpness | High, Normal, Low |
| | Color | Vivid, Color, Black&White, Sepia |
| | AE Metering | Matrix, Center Weighted, Spot |
| | Focus | Multi-Zone, Center, Selected area |
| | Flash Range | Wide: 0.6 ~ 3m, Tele: 0.6 ~ 2m |
| | Anti-shake | Yes, High ISO |
| | Aperture Priority | Yes |
| | Shutter Priority | Yes |
| | Drive Mode | Single Mode, Burst Mode, Multi-Burst (VGA@16 shots) |
| | Quick Delete | Yes |
| | Quick View | Yes |
| | Self-timer | 2 or 10 seconds |
| | Playback Magnify | Up to 6X (9 steps) |
| | White Balance | Auto, Sunny, Tungsten, Fluorescent, Cloudy |
| **Video** | Video Out | PAL, NTSC |
| | Speaker | Mono |
| | Movie File Format | AVI (Motion JPEG with sound) |
| | Movie Length | Close to 80 min. Max. file size is 4G bytes. |
| | Microphone | Mono |
| | Audio Recording | Wave format |

| | | |
|---|---|---|
| **Power** | Battery | D-LI95 Lithium-ion |
| | Battery Life | CIPA 200 images |
| **Connectivity** | Camera Interface | USB 2.0 (high speed) |
| | Host Platform | Windows 2000/XP/Vista |
| **Standards** | Operating Temperature | 0°C ~ 40°C |
| | Language | English, German, French, Italian, Spanish, Portuguese, Simplified Chinese, Traditional Chinese, Russian, Arabic, Turkish, Japanese, Dutch, Czech, Polish, Hungarian, Romanian, Slovakian, Greek, Bulgarian, Danish |

English

# Troubleshooting

| Problem | Action |
|---|---|
| Camera does not turn on | • The battery may be exhausted. Charge or replace the battery.<br>• The battery is installed incorrectly. Reinsert the battery observing the correct polarity. |
| Camera turns off automatically | Press the Power button again to turn on the camera. |
| LCD turns off automatically | Press any button to turn on the LCD when AUTO LCD Off setting(30 SEC or 1 MIN) is activated. |
| Empty battery icon is displayed on the LCD then camera turns off | Battery is exhausted. Charge or replace the battery. |
| LCD screen displays 'Card Requires Formatting' | Memory card format not recognized.<br>Reformat the memory card. |
| LCD screen displays 'Card is Full' | Memory card is full. Replace the memory card with a new one or delete unnecessary images from the existing card. |
| LCD screen displays 'Card is Locked' | The card is protected by a protect switch mechanism. Move the switch to the unlock position. |
| Insufficient memory space to complete request | Insufficient space in memory to rotate an image or divide a video. Delete unnecessary images and videos. |
| No image displays on the TV screen | Incorrect TV-out type was selected. Set correct TV-out type to match your TV system. |
| Insufficient space on the card | Delete unnecessary images. |

**Information for Users on Collection and Disposal of Old Equipment and Used Batteries**



1. In the European Union

These symbols on the products, packaging and/or accompanying documents mean that used electrical and electronic equipments and batteries should not be mixed with general household waste.

Used electrical/electronic equipments and batteries must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of these products. Following the implementation by member states, private households within the EU states may return their used electrical/electronic equipments and batteries to designated collection facilities free of charge*.

In some countries your local retailer may also take back your old product free of charge if you purchase a similar new one. *Please contact your local authority for further details.



By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

2. In other countries outside the EU

These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.




For Switzerland: Used electrical/electronic equipment can be returned free of charge to the dealer, even when you don't purchase a new product. Further collection facilities are listed on the home page of www.swico.ch or www.sens.ch.

Note for the batteries symbol (bottom two symbol examples): This symbol might be used in combination with a designation for the chemical element or compound in use. In this case you have to comply with the requirement set by the Directive for the chemicals involved.